

**ASSIGNMENT RECORDATION COVER SHEET  
-PATENTS ONLY-**

To: Honorable Commissioner of Patents and Trademarks:

10-07-2002



102242966

Please record the attached original document(s) or copy thereof.

1. Name of conveying party(ies)

- a) Michael Adel
- b) Mark Ghinovker
- c) Walter Dean Mieher

*10:31:02*

2. Name and address of receiving party(ies):

- a) Name: KLA-Tencor Technologies Corporation
- Address: One Technology Drive  
Milpitas, CA 95035

3. Nature of conveyance

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Assignment | <input type="checkbox"/> Merger            |
| <input type="checkbox"/> Security Agreement    | <input type="checkbox"/> Change of Name    |
| <input type="checkbox"/> Other _____           | <input type="checkbox"/> License Agreement |

Execution Date: Michael Adel executed September 1, 2002  
Mark Ghinovker executed September 1, 2002  
Walter Dean Mieher executed August 30, 2002

RECEIVED  
SECTION  
SEP 10 2002

4. Application Number(s) or Patent Number(s): 10/184,013

The title of the (new) application is: OVERLAY MARKS, METHODS OF OVERLAY MARK DESIGN AND METHODS OF OVERLAY MEASUREMENTS

5. Please send all correspondence concerning this (these) documents to:

**Beyer Weaver & Thomas, LLP**  
**P.O. Box 778**  
**Berkeley, CA 94704-0778**  
**Ph: (650) 961-8300**  
**Fax: (650) 961-8301**  
**(Customer Number: 022434)**

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$40.00

- ☒ Enclosed
- ☐ Any additional fees are authorized to be charged to Deposit Account No. 500388 (Order No. \_\_\_\_\_)

8. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Date: September 26, 2002

*Quin C. Hoellwarth*

Quin C. Hoellwarth  
Registration No. 45,738

10/07/2002 LNUJELLER 00000022 10184013

01 FC:581

40.00 DP

Attorney Docket No. KLA1P018.3

(Revised 12/01)

**PATENT**  
**REEL: 013347 FRAME: 0976**

# ASSIGNMENT OF PATENT APPLICATION

Whereas I an undersigned inventor have invented certain new and useful improvements as set forth in the patent application entitled:

## OVERLAY MARKS, METHOD OF OVERLAY MARK DESIGN AND METHODS OF OVERLAY MEASUREMENTS

(Atty. Docket No. KLA1P018.3), (check one)

- ☐ for which I have executed a U.S. patent application on even date herewith. (Accompanying)
- ☒ which bears U.S. application No. 10/184,013. (Not accompanying)
- ☐ which is a U.S. provisional application. (Accompanying)

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I an undersigned inventor hereby:

- 1) Sell, assign and transfer to KLA-Tencor Technologies Corporation, a California corporation having a place of business at One Technology Drive, Milpitas, CA 95035 ("ASSIGNEE"), the entire right, title and interest in any and all improvements and inventions disclosed in, applications based upon, and patents (including foreign patents and the right to claim priority) granted upon, the above-referenced application.
- 2) Authorize and request the Commissioner of Patents to issue any and all Letters Patents resulting from said application or any division, continuation, substitute, renewal, re-examination or reissue thereof to the ASSIGNEE.
- 3) Agree to execute all papers and documents and, entirely at the ASSIGNEE's expense, perform any acts which are reasonably necessary in connection with the prosecution of said application, as well as any derivative applications thereof, foreign applications based thereon, and/or the enforcement of patents resulting from such applications.
- 4) Agree that the terms, covenants and conditions of this assignment shall inure to the benefit of the ASSIGNEE, its successors, assigns and other legal representative, and shall be binding upon the inventor, as well as the inventor's heirs, legal representatives and assigns.
- 5) Warrant and represent that I have not entered, and will not enter into any assignment, contract, or understanding that conflicts with this assignment.
- 6) Authorize and request my attorney/agent to insert above the application No. in order to assist with recordal of this assignment.

Signed on the date indicated beside my signature.

1. Inventor Signature: Walter Dean Mieher  
Walter Dean Mieher

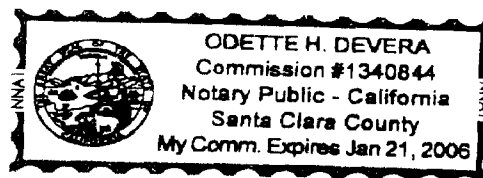
Date: 8/30/2002

State of California )  
County of Santa Clara ) SS.

On this 30<sup>th</sup> day of August, in the year 2002, before me, Odetta H. Devera, Notary Public, personally appeared Walter Dean Mieher, ~~personally known to me (or~~ proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/~~she~~ executed the same in his/~~her~~ authorized capacity(~~ies~~), and that by his/~~her~~ signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Odetta H. Devera



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## OVERLAY MARKS, METHODS OF OVERLAY MARK DESIGN AND METHODS OF OVERLAY MEASUREMENTS

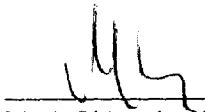
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☐ which is a U.S. provisional application. (Accompanying)

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- 2) Authorize and request the Commissioner of Patents to issue any and all Letters Patents resulting from said application or any division, continuation, substitute, renewal, re-examination or reissue thereof to the ASSIGNEE.
- 3) Agree to execute all papers and documents and, entirely at the ASSIGNEE's expense, perform any acts which are reasonably necessary in connection with the prosecution of said application, as well as any derivative applications thereof, foreign applications based thereon, and/or the enforcement of patents resulting from such applications.
- 4) Agree that the terms, covenants and conditions of this assignment shall inure to the benefit of the ASSIGNEE, its successors, assigns and other legal representative, and shall be binding upon the inventor, as well as the inventor's heirs, legal representatives and assigns.
- 5) Warrant and represent that I have not entered, and will not enter into any assignment, contract, or understanding that conflicts with this assignment.
- 6) Authorize and request my attorney/agent to insert above the application No. in order to assist with recordal of this assignment.

Signed on the date indicated beside my signature.

1) Signature:   
Typed Name: Mark Ghinovker

Date: Sept 1, 2002

2) Signature:   
Typed Name: Michael Adel

Date: Sept. 1st,  
2002.

If signed outside the United States of America, have two witnesses who also sign below:

1) Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Printed Name: \_\_\_\_\_

2) Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Printed Name: \_\_\_\_\_

Revised 06/01, Assign US Notary

**RECORDED: 10/03/2002**

**PATENT**  
**REEL: 013347 FRAME: 0980**